The ACI Manual of Concrete Practice is a six-part compilation of current ACI standards and committee reports.

Part 1—ACI 117-06 to ACI 224.3R-95(08)
Part 2—ACI 225-99(05) to ACI 315-99
Part 3—ACI 318-08 to ACI 347.2R-05
Part 4—ACI 349-06 to ACI 360R-06
Part 5—ACI 362.1R-97(02) to ACI 503.7-07
Part 6—ACI 506R-05 to ACI ITG-5.1-07

Some of the most important work of the Institute is performed by its technical committees that prepare the committee reports and standards contained in the Manual. Technical committees of the Institute are organized into the following five groups with regard to their function: 100—General, 200—Materials and Properties of Concrete, 300—Design and Construction, 400—Concrete Reinforcement and Structural Analysis, and 500—Specialized Applications and Repair. Committees are assigned numbers that indicate their group or general area of responsibility.

Each standard of the Institute bears a hyphenated number to identify it. The first three digits identify the committee originating the standard, and the last two digits identify the year it was adopted. Thus, standard ACI 305.1-06 was prepared by Committee 305 and was adopted as a standard in the year 2006.

Committee reports are also identified by a hyphenated number with the addition of an “R” to indicate a report rather than a standard. For committee reports, the last two digits refer to either the year of original publication or, in a few cases, to the year of adoption of a related standard.

The following list contains the numbers and titles of all committee reports and standards found in the 2009 ACI Manual of Concrete Practice. Reports and Standards are listed numerically and the location in the Manual follows the title.

100—General

117-06 Specifications for Tolerances for Concrete Construction and Materials and Commentary, Part 1
121R-08 Guide for Concrete Construction Quality Systems in Conformance with ISO 9001, Part 1
122R-02 Guide to Thermal Properties of Concrete and Masonry Systems, Part 1
126.3R-99 Reapproved 2008 Guide to Recommended Format for Concrete in Materials Property Database, Part 1

200—Materials and Properties of Concrete

201.1R-08 Guide for Conducting a Visual Inspection of Concrete in Service, Part 1
201.2R-08 Guide to Durable Concrete, Part 1
207.1R-05 Guide to Mass Concrete, Part 1
207.2R-07 Report on Thermal and Volume Change Effects on Cracking of Mass Concrete, Part 1
207.3R-94 Reapproved 2008 Practices for Evaluation of Concrete in Existing Massive Structures for Service Conditions, Part 1
207.4R-05 Cooling and Insulating Systems for Mass Concrete, Part 1
207.5R-99 Roller-Compacted Mass Concrete, Part 1
209R-92 Reapproved 2008 Prediction of Creep, Shrinkage, and Temperature Effects in Concrete Structures, Part 1
209.1R-05 Report on Factors Affecting Shrinkage and Creep of Hardened Concrete, Part 1
209.2R-08 Guide for Modeling and Calculating Shrinkage and Creep in Hardened Concrete, Part 1
210R-93 Reapproved 2008 Erosion of Concrete in Hydraulic Structures, Part 1
211.1-91  Reapproved 2002 Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete, Part 1
211.2-98  Reapproved 2004 Standard Practice for Selecting Proportions for Structural Lightweight Concrete, Part 1
211.3R-02  Guide for Selecting Proportions for No-Slump Concrete, Part 1
211.4R-93  Reapproved 1998 Guide for Selecting Proportions for High-Strength Concrete with Portland Cement and Fly Ash, Part 1
211.5R-01  Guide for Submittal of Concrete Proportions, Part 1
212.3R-04  Chemical Admixtures for Concrete, Part 1
212.4R-04  Guide for the Use of High-Range Water-Reducing Admixtures (Superplasticizers) in Concrete, Part 1
213R-03  Guide for Structural Lightweight-Aggregate Concrete, Part 1
214.02  Evaluation of Strength Test Results of Concrete, Part 1
214.4R-03  Guide for Obtaining Cores and Interpreting Compressive Strength Results, Part 1
216.1-07  Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies, Part 1
221R-96  Reapproved 2001 Guide for Use of Normal Weight and Heavyweight Aggregates in Concrete, Part 1
221.1R-98  Reapproved 2008 Report on Alkali-Aggregate Reactivity, Part 1
222R-01  Protection of Metals in Concrete Against Corrosion, Part 1
222.2R-01  Corrosion of Prestressing Steels, Part 1
222.3R-03  Design and Construction Practices to Mitigate Corrosion of Reinforcement in Concrete Structures, Part 1
223-98  Standard Practice for the Use of Shrinkage-Compensating Concrete, Part 1
224R-01  Reapproved 2008 Control of Cracking in Concrete Structures, Part 1
224.1R-07  Causes, Evaluation, and Repair of Cracks in Concrete Structures, Part 1
224.2R-92  Reapproved 2004 Cracking of Concrete Members in Direct Tension, Part 1
224.3R-95  Reapproved 2008 Joints in Concrete Construction, Part 1
228.1R-03  In-Place Methods to Estimate Concrete Strength, Part 2
228.2R-98  Reapproved 2004 Nondestructive Test Methods for Evaluation of Concrete in Structures, Part 2
229R-99  Reapproved 2005 Controlled Low-Strength Materials, Part 2
230.1R-90  Reapproved 1997 Report on Soil Cement, Part 2
232.1R-00  Reapproved 2006 Use of Raw or Processed Natural Pozzolans in Concrete, Part 2
232.2R-03  Use of Fly Ash in Concrete, Part 2
233R-03  Slag Cement in Concrete and Mortar, Part 2
234R-06  Guide for the Use of Silica Fume in Concrete, Part 2
237R-07  Self-Consolidating Concrete, Part 2
238.1R-08  Report on Measurements of Workability and Rheology of Fresh Concrete, Part 2

300—Design and Construction

301-05  Specifications for Structural Concrete, Part 2
302.05  Field Reference Manual (Synopsis only), Part 2
302.1R-04  Guide for Concrete Floor and Slab Construction, Part 2
302.2R-06  Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials, Part 2
303R-04  Guide to Cast-in-Place Architectural Concrete Practice, Part 2
303.1-97  Standard Specification for Cast-In-Place Architectural Concrete, Part 2
304R-00  Guide for Measuring, Mixing, Transporting, and Placing Concrete, Part 2
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503.1-92  Reapproved 2003 Standard Specification for Bonding Hardened Concrete, Steel, Wood, Brick, and Other Materials to Hardened Concrete with a Multi-Component Epoxy Adhesive, Part 5
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